

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P179237

Luminaire Tested: **UTLD-F01-LED-E-U-SL2-HSS-7060**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P179237  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34324)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UTLD-F01-LED-E-U-SL2-HSS-7060  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (7) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 1375.7 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



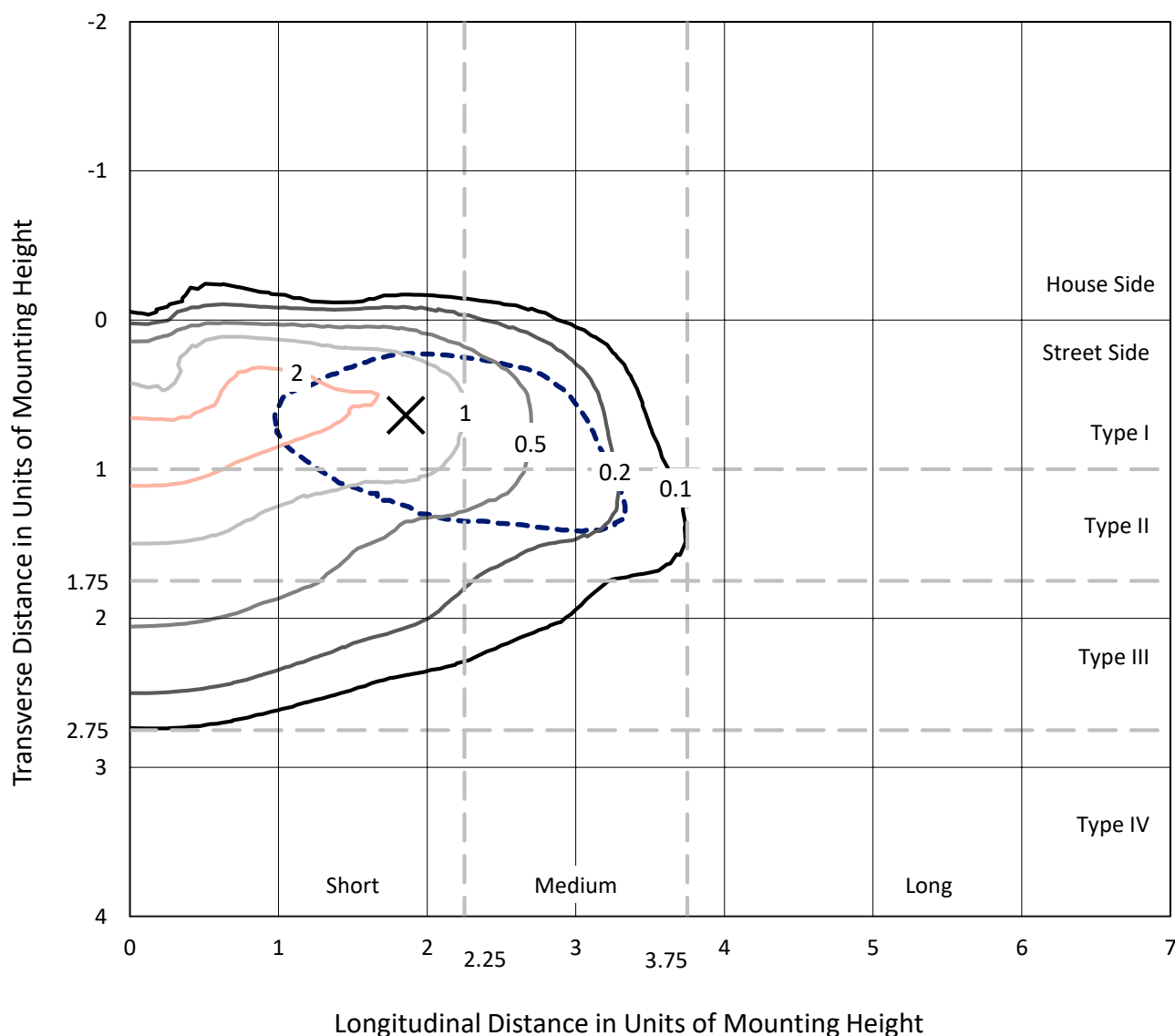
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

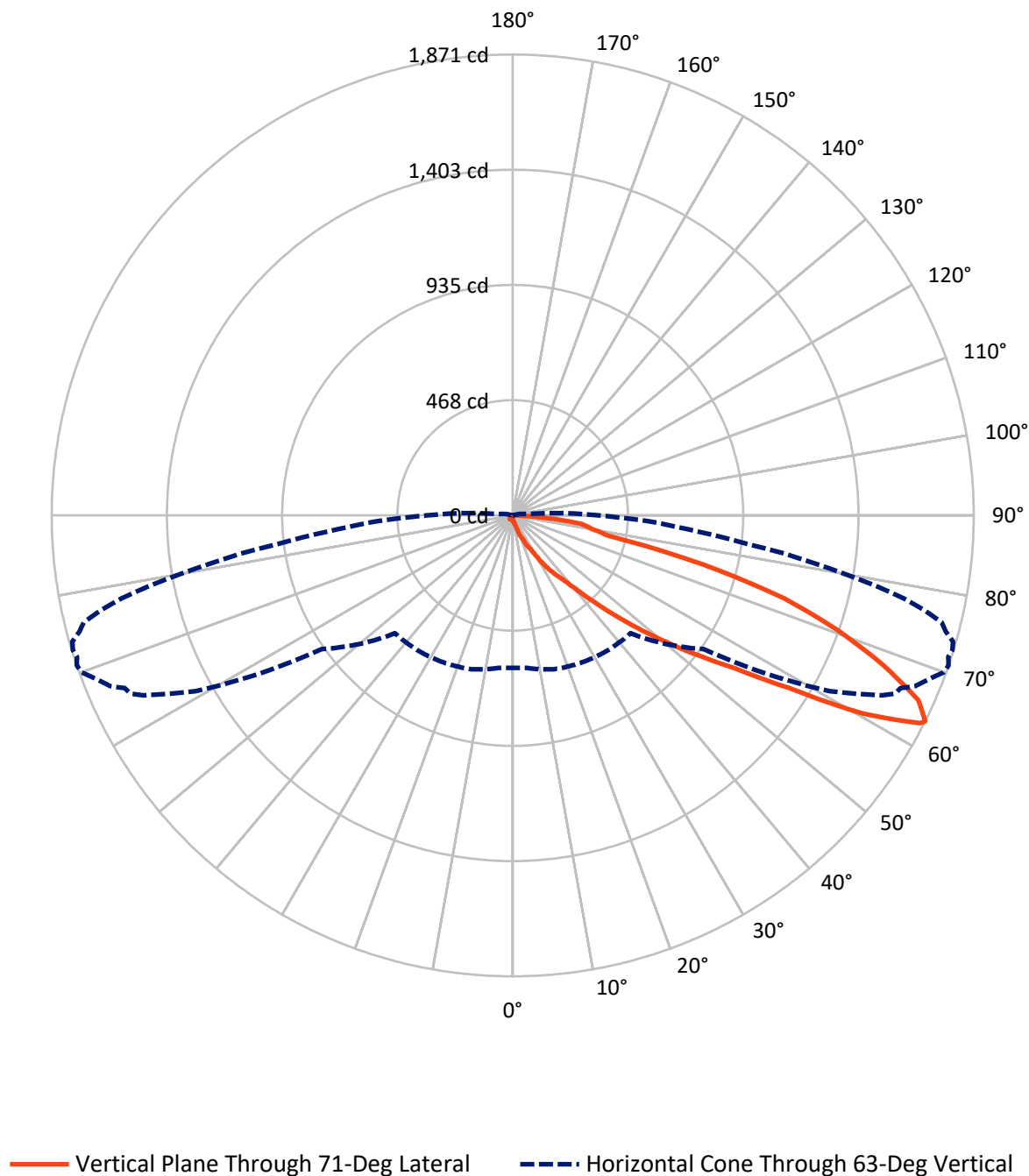


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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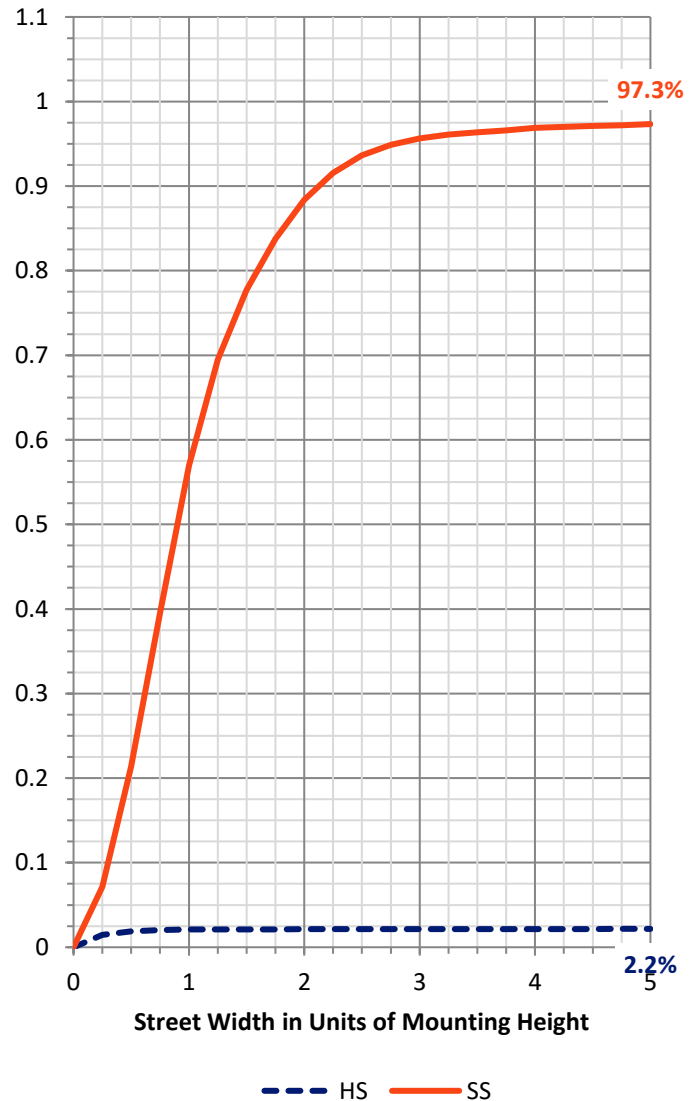
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 30.5     | 0.0    | 30.5   |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 1345.2   | 0.0    | 1345.2 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 1375.7   | 0.0    | 1375.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.9    | 0.1       |
| 10°-20°   | 10.9   | 0.8       |
| 20°-30°   | 33.4   | 2.4       |
| 30°-40°   | 102.9  | 7.5       |
| 40°-50°   | 244.5  | 17.8      |
| 50°-60°   | 353.2  | 25.7      |
| 60°-70°   | 437.1  | 31.8      |
| 70°-80°   | 165.9  | 12.1      |
| 80°-90°   | 25.9   | 1.9       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 1375.7 | 100.0     |
| 0°-180°   | 1375.7 | 100.0     |

**Coefficient of Utilization**



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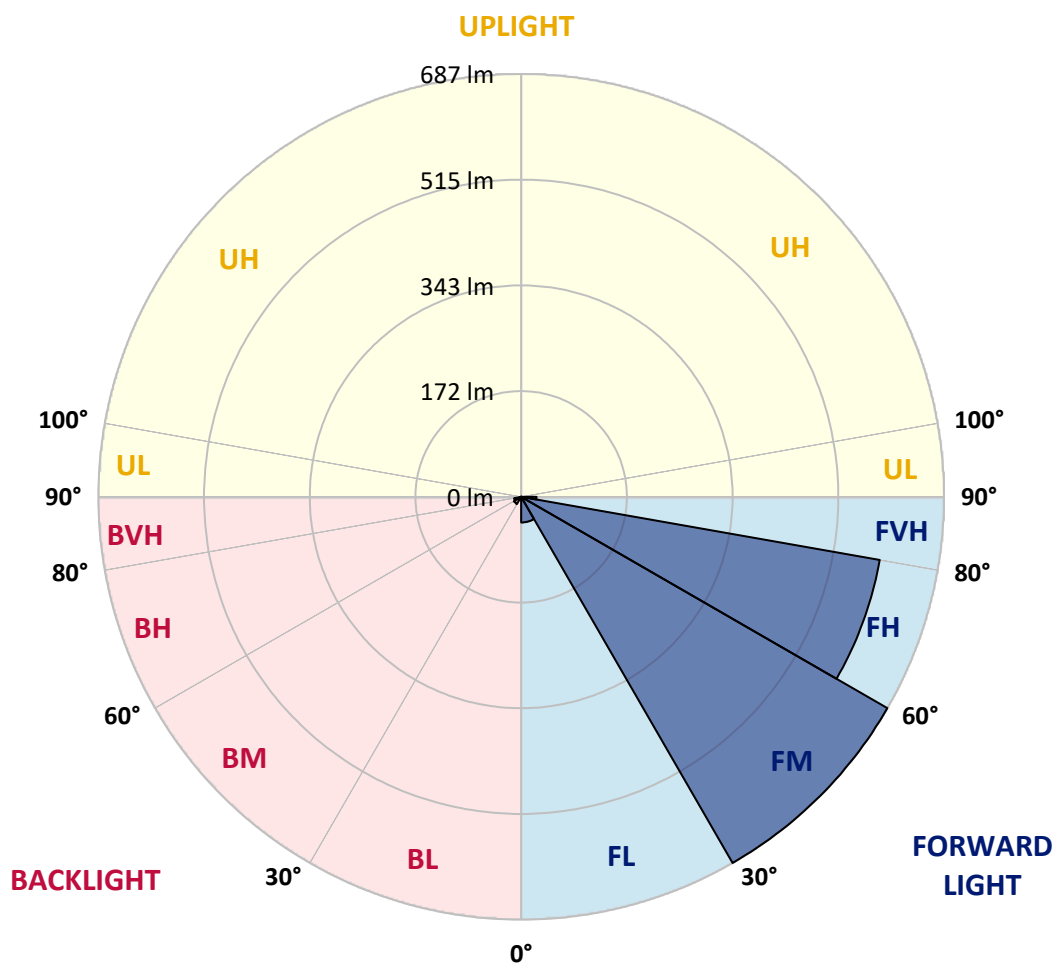
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 41.7   | 3.0       |                         |      |        |
| FM   | (30°-60°)   | 687.0  | 49.9      |                         |      |        |
| FH   | (60°-80°)   | 591.5  | 43.0      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 25.0   | 1.8       |                         |      | G1/100 |
| BL   | (0°-30°)    | 4.5    | 0.3       | B0/110                  |      |        |
| BM   | (30°-60°)   | 13.6   | 1.0       | B0/220                  |      |        |
| BH   | (60°-80°)   | 11.5   | 0.8       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 0.9    | 0.1       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B0-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°    | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   |
| 2.5°  | 26.3  | 25.8  | 25.0  | 25.0  | 24.6  | 24.6  | 24.1   | 23.7   | 23.7   | 23.7   | 23.3   |
| 5°    | 30.9  | 30.5  | 29.2  | 28.0  | 28.0  | 27.1  | 25.4   | 25.0   | 24.6   | 24.1   | 24.1   |
| 7.5°  | 50.4  | 50.0  | 49.1  | 47.9  | 45.7  | 31.3  | 28.0   | 27.5   | 27.1   | 26.7   | 26.3   |
| 10°   | 56.3  | 56.3  | 55.9  | 54.2  | 52.1  | 48.7  | 44.5   | 32.2   | 31.3   | 31.8   | 33.0   |
| 12.5° | 75.8  | 73.7  | 75.0  | 72.8  | 61.4  | 57.6  | 58.9   | 54.6   | 53.8   | 53.4   | 41.5   |
| 15°   | 80.9  | 78.8  | 75.0  | 75.4  | 77.1  | 81.7  | 66.5   | 62.7   | 60.6   | 59.3   | 59.3   |
| 17.5° | 88.9  | 88.9  | 89.4  | 89.4  | 86.0  | 87.7  | 86.4   | 76.7   | 76.2   | 74.5   | 74.1   |
| 20°   | 109.3 | 108.4 | 96.6  | 91.1  | 100.4 | 102.5 | 102.9  | 88.5   | 85.6   | 85.1   | 87.7   |
| 22.5° | 115.6 | 114.8 | 112.7 | 114.8 | 102.9 | 115.6 | 133.0  | 132.6  | 129.2  | 127.5  | 116.9  |
| 25°   | 147.4 | 146.1 | 138.5 | 118.6 | 126.6 | 127.1 | 144.0  | 145.3  | 144.4  | 147.4  | 156.3  |
| 27.5° | 170.3 | 172.0 | 154.6 | 141.9 | 133.4 | 151.6 | 183.4  | 187.2  | 187.2  | 183.0  | 183.4  |
| 30°   | 216.9 | 216.0 | 196.9 | 164.8 | 160.9 | 163.1 | 202.0  | 215.2  | 226.2  | 219.4  | 227.0  |
| 32.5° | 311.7 | 307.5 | 278.3 | 219.4 | 192.7 | 201.6 | 242.3  | 257.9  | 255.4  | 251.6  | 258.4  |
| 35°   | 449.0 | 446.0 | 385.8 | 329.5 | 277.0 | 256.2 | 286.3  | 312.6  | 307.1  | 319.3  | 324.0  |
| 37.5° | 545.5 | 537.9 | 512.1 | 455.3 | 404.1 | 369.7 | 382.5  | 372.3  | 371.0  | 379.5  | 378.6  |
| 40°   | 616.7 | 617.1 | 608.2 | 562.0 | 524.8 | 505.7 | 507.4  | 469.7  | 467.2  | 470.1  | 464.2  |
| 42.5° | 651.4 | 654.4 | 661.6 | 638.7 | 623.4 | 625.6 | 642.5  | 610.7  | 609.5  | 601.8  | 579.0  |
| 45°   | 672.6 | 676.4 | 698.4 | 706.0 | 701.4 | 722.6 | 768.7  | 742.9  | 745.0  | 751.8  | 719.2  |
| 47.5° | 675.1 | 680.6 | 709.4 | 732.3 | 750.9 | 793.7 | 864.4  | 870.4  | 876.7  | 882.2  | 858.1  |
| 50°   | 650.1 | 652.2 | 688.7 | 721.7 | 749.2 | 829.7 | 937.3  | 974.1  | 985.6  | 985.6  | 965.2  |
| 52.5° | 604.8 | 607.8 | 642.5 | 678.5 | 704.8 | 828.0 | 984.3  | 1051.2 | 1076.6 | 1077.5 | 1048.3 |
| 55°   | 585.3 | 588.7 | 615.0 | 646.7 | 659.9 | 786.9 | 1013.1 | 1121.1 | 1147.8 | 1152.4 | 1135.1 |
| 57.5° | 585.3 | 589.1 | 610.3 | 629.0 | 635.7 | 739.1 | 1030.5 | 1202.8 | 1232.9 | 1261.7 | 1260.9 |
| 60°   | 611.6 | 615.8 | 632.8 | 631.5 | 625.1 | 705.2 | 1022.8 | 1302.8 | 1351.5 | 1399.8 | 1455.3 |
| 62.5° | 626.8 | 629.0 | 652.2 | 659.0 | 657.8 | 680.2 | 963.1  | 1377.3 | 1452.7 | 1523.0 | 1643.3 |
| 63°   | 618.4 | 620.9 | 646.7 | 659.0 | 670.0 | 676.4 | 946.6  | 1385.4 | 1470.5 | 1532.8 | 1666.2 |
| 65°   | 572.6 | 573.0 | 600.6 | 615.8 | 690.4 | 676.0 | 858.1  | 1369.7 | 1473.9 | 1535.7 | 1684.4 |
| 67.5° | 453.6 | 456.2 | 475.2 | 501.0 | 570.1 | 686.1 | 737.4  | 1190.1 | 1295.6 | 1345.2 | 1510.8 |
| 70°   | 238.9 | 249.5 | 265.1 | 299.4 | 393.9 | 582.8 | 617.1  | 876.7  | 978.8  | 1052.5 | 1242.7 |
| 72.5° | 72.4  | 67.3  | 87.7  | 128.3 | 200.3 | 403.2 | 541.3  | 619.2  | 678.1  | 751.4  | 953.8  |
| 75°   | 32.6  | 33.5  | 38.1  | 54.6  | 87.7  | 216.4 | 473.1  | 508.7  | 516.7  | 541.7  | 664.5  |
| 77.5° | 18.6  | 19.1  | 22.4  | 30.9  | 45.7  | 108.0 | 358.3  | 456.2  | 449.8  | 458.7  | 481.1  |
| 80°   | 12.3  | 12.7  | 16.1  | 22.0  | 25.4  | 52.9  | 203.3  | 355.8  | 376.5  | 399.4  | 415.9  |
| 82.5° | 6.8   | 6.8   | 10.2  | 17.8  | 16.5  | 25.4  | 80.0   | 232.9  | 270.2  | 293.9  | 343.5  |
| 85°   | 3.0   | 3.4   | 5.9   | 11.9  | 10.2  | 11.9  | 38.5   | 79.2   | 90.6   | 95.3   | 118.6  |
| 87.5° | 0.8   | 0.8   | 1.7   | 4.2   | 4.2   | 5.5   | 11.4   | 35.6   | 37.7   | 40.7   | 49.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   |
| 2.5°  | 23.3   | 23.3   | 22.4   | 22.0   | 20.8   | 20.8   | 19.9   | 20.3   | 19.1   | 18.6   | 17.8   |
| 5°    | 23.7   | 23.7   | 23.7   | 23.7   | 23.3   | 23.3   | 23.3   | 23.3   | 23.3   | 23.3   | 22.9   |
| 7.5°  | 25.8   | 25.8   | 25.8   | 25.8   | 25.4   | 25.0   | 24.1   | 24.1   | 23.7   | 23.7   | 23.7   |
| 10°   | 33.0   | 32.6   | 31.8   | 31.3   | 30.9   | 30.5   | 29.6   | 30.1   | 29.2   | 29.6   | 28.8   |
| 12.5° | 39.4   | 38.5   | 37.3   | 36.0   | 35.6   | 35.2   | 34.3   | 33.9   | 33.5   | 34.3   | 33.9   |
| 15°   | 61.4   | 61.0   | 61.4   | 59.3   | 48.3   | 47.9   | 48.3   | 47.4   | 46.6   | 45.3   | 43.6   |
| 17.5° | 73.3   | 72.0   | 67.8   | 66.1   | 66.5   | 65.2   | 61.8   | 55.1   | 51.2   | 49.6   | 48.7   |
| 20°   | 94.0   | 94.4   | 95.3   | 95.3   | 93.6   | 91.5   | 89.4   | 88.9   | 86.4   | 77.5   | 74.1   |
| 22.5° | 112.7  | 112.7  | 110.5  | 108.4  | 105.9  | 106.3  | 103.3  | 96.6   | 94.4   | 91.9   | 90.6   |
| 25°   | 161.8  | 159.3  | 153.3  | 151.2  | 149.1  | 143.6  | 136.4  | 132.6  | 131.3  | 129.6  | 124.1  |
| 27.5° | 183.0  | 179.6  | 178.3  | 175.8  | 168.1  | 159.3  | 156.3  | 154.2  | 156.3  | 146.1  | 138.9  |
| 30°   | 221.5  | 221.1  | 219.8  | 214.3  | 205.0  | 197.8  | 198.2  | 196.1  | 182.1  | 171.5  | 164.8  |
| 32.5° | 260.9  | 257.9  | 268.1  | 257.9  | 249.5  | 252.4  | 248.6  | 235.5  | 225.7  | 214.7  | 213.5  |
| 35°   | 322.7  | 322.7  | 314.3  | 303.3  | 304.5  | 306.6  | 288.4  | 274.9  | 268.5  | 263.9  | 254.5  |
| 37.5° | 379.5  | 376.9  | 361.3  | 355.3  | 362.1  | 350.3  | 329.9  | 321.0  | 318.9  | 310.9  | 296.1  |
| 40°   | 456.6  | 441.3  | 429.5  | 428.2  | 427.3  | 399.8  | 388.4  | 389.2  | 378.2  | 362.1  | 345.2  |
| 42.5° | 562.5  | 537.9  | 529.0  | 529.8  | 499.4  | 477.3  | 473.1  | 462.5  | 448.1  | 429.9  | 414.6  |
| 45°   | 684.4  | 660.7  | 661.1  | 634.5  | 595.9  | 576.9  | 572.6  | 556.1  | 538.3  | 517.1  | 495.1  |
| 47.5° | 817.0  | 800.1  | 808.5  | 755.2  | 721.3  | 710.3  | 683.2  | 657.3  | 636.6  | 610.7  | 583.2  |
| 50°   | 936.4  | 945.3  | 926.7  | 880.1  | 855.5  | 840.7  | 809.0  | 776.8  | 750.1  | 710.7  | 673.4  |
| 52.5° | 1048.3 | 1065.2 | 1036.0 | 993.2  | 996.6  | 968.2  | 943.6  | 911.0  | 875.5  | 828.9  | 789.5  |
| 55°   | 1160.1 | 1163.9 | 1139.7 | 1125.8 | 1124.9 | 1106.7 | 1095.7 | 1072.4 | 1024.5 | 977.5  | 959.7  |
| 57.5° | 1301.1 | 1296.4 | 1279.5 | 1301.5 | 1303.2 | 1309.2 | 1321.0 | 1296.9 | 1282.5 | 1248.2 | 1220.6 |
| 60°   | 1504.8 | 1501.0 | 1508.6 | 1573.4 | 1586.6 | 1626.0 | 1634.4 | 1635.3 | 1623.0 | 1634.0 | 1567.1 |
| 62.5° | 1684.8 | 1700.1 | 1749.6 | 1779.7 | 1810.6 | 1848.7 | 1857.2 | 1841.5 | 1849.6 | 1850.4 | 1798.3 |
| 63°   | 1711.1 | 1723.0 | 1774.2 | 1800.0 | 1829.7 | 1861.4 | 1870.8 | 1858.9 | 1866.1 | 1858.9 | 1819.5 |
| 65°   | 1722.5 | 1728.0 | 1788.2 | 1781.4 | 1819.1 | 1833.1 | 1809.4 | 1804.7 | 1831.4 | 1793.3 | 1786.1 |
| 67.5° | 1553.5 | 1587.0 | 1627.2 | 1627.2 | 1656.5 | 1653.5 | 1621.7 | 1628.5 | 1628.9 | 1614.1 | 1610.3 |
| 70°   | 1299.0 | 1366.8 | 1375.2 | 1405.7 | 1426.1 | 1408.3 | 1401.5 | 1406.1 | 1370.6 | 1378.6 | 1343.0 |
| 72.5° | 1033.4 | 1106.3 | 1119.8 | 1176.6 | 1182.5 | 1142.3 | 1152.0 | 1124.1 | 1085.1 | 1061.0 | 1011.8 |
| 75°   | 752.2  | 798.4  | 838.6  | 854.7  | 855.1  | 817.0  | 800.5  | 736.1  | 678.9  | 610.3  | 592.1  |
| 77.5° | 525.2  | 520.1  | 535.4  | 526.5  | 466.7  | 447.7  | 393.9  | 362.5  | 333.3  | 282.5  | 254.5  |
| 80°   | 424.4  | 419.7  | 426.9  | 407.9  | 382.0  | 360.4  | 321.9  | 293.1  | 260.5  | 238.5  | 204.6  |
| 82.5° | 362.1  | 381.2  | 385.8  | 358.7  | 345.6  | 327.4  | 282.9  | 251.6  | 219.8  | 191.4  | 164.8  |
| 85°   | 138.1  | 164.8  | 162.6  | 169.4  | 169.8  | 160.5  | 141.5  | 112.2  | 88.9   | 72.0   | 58.4   |
| 87.5° | 53.4   | 59.7   | 55.9   | 55.5   | 55.9   | 51.2   | 43.6   | 38.5   | 32.6   | 26.3   | 22.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    | 84°   | 85°   | 86°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0  | 14.0  | 14.0  |
| 2.5°  | 17.4   | 16.5   | 16.5   | 15.7   | 15.7   | 15.2   | 15.2   | 14.8   | 14.8  | 14.4  | 14.4  |
| 5°    | 22.9   | 22.9   | 22.4   | 21.6   | 19.5   | 18.6   | 16.9   | 15.7   | 15.2  | 14.8  | 14.4  |
| 7.5°  | 23.7   | 23.7   | 23.3   | 23.3   | 22.9   | 22.4   | 22.0   | 20.8   | 18.6  | 16.9  | 15.7  |
| 10°   | 28.8   | 28.0   | 28.4   | 29.2   | 28.8   | 28.8   | 28.4   | 28.0   | 27.1  | 26.3  | 21.2  |
| 12.5° | 33.5   | 33.0   | 32.2   | 30.5   | 29.6   | 29.2   | 29.2   | 28.8   | 28.4  | 28.0  | 27.1  |
| 15°   | 42.4   | 41.1   | 40.7   | 39.4   | 38.5   | 37.3   | 37.7   | 37.3   | 36.4  | 34.7  | 30.9  |
| 17.5° | 47.0   | 46.2   | 44.9   | 45.3   | 44.5   | 41.9   | 37.7   | 36.4   | 35.2  | 33.9  | 32.6  |
| 20°   | 72.8   | 71.6   | 69.0   | 64.8   | 59.7   | 57.2   | 55.1   | 52.9   | 53.4  | 52.9  | 49.6  |
| 22.5° | 85.1   | 77.5   | 72.8   | 69.5   | 68.2   | 68.2   | 66.5   | 67.3   | 61.8  | 60.1  | 52.9  |
| 25°   | 114.4  | 108.8  | 102.9  | 99.5   | 97.8   | 94.0   | 86.8   | 81.7   | 76.2  | 74.5  | 69.0  |
| 27.5° | 136.8  | 131.7  | 131.7  | 126.2  | 116.9  | 109.7  | 102.5  | 98.3   | 91.5  | 86.8  | 80.9  |
| 30°   | 164.8  | 158.4  | 150.4  | 140.2  | 131.3  | 124.5  | 119.4  | 109.3  | 102.9 | 96.6  | 84.7  |
| 32.5° | 205.8  | 194.0  | 183.8  | 174.5  | 166.5  | 152.9  | 144.8  | 136.4  | 123.2 | 109.7 | 103.8 |
| 35°   | 244.0  | 229.1  | 217.7  | 208.0  | 191.4  | 182.1  | 169.8  | 150.8  | 136.8 | 130.0 | 116.5 |
| 37.5° | 281.2  | 267.3  | 256.2  | 237.2  | 222.4  | 206.7  | 186.4  | 172.4  | 160.1 | 143.2 | 124.5 |
| 40°   | 329.9  | 314.3  | 291.8  | 275.3  | 255.8  | 229.6  | 214.3  | 197.4  | 176.6 | 155.9 | 140.2 |
| 42.5° | 393.9  | 368.9  | 350.7  | 329.9  | 294.4  | 277.4  | 256.7  | 226.6  | 200.3 | 181.7 | 155.9 |
| 45°   | 471.0  | 445.1  | 425.7  | 385.0  | 359.2  | 333.3  | 302.0  | 266.8  | 240.6 | 211.3 | 189.3 |
| 47.5° | 552.7  | 534.9  | 493.4  | 452.8  | 427.3  | 388.8  | 352.8  | 316.4  | 280.0 | 254.1 | 214.3 |
| 50°   | 654.8  | 609.9  | 564.2  | 534.9  | 493.8  | 450.6  | 408.3  | 362.1  | 330.4 | 290.5 | 252.0 |
| 52.5° | 756.9  | 695.0  | 662.0  | 618.8  | 562.9  | 513.3  | 464.2  | 419.3  | 374.4 | 331.6 | 285.9 |
| 55°   | 894.5  | 832.7  | 783.1  | 720.9  | 657.3  | 600.6  | 549.8  | 494.3  | 445.1 | 390.1 | 340.1 |
| 57.5° | 1146.1 | 1077.9 | 1006.7 | 913.6  | 836.1  | 767.5  | 698.8  | 633.2  | 559.9 | 500.6 | 440.1 |
| 60°   | 1522.2 | 1450.6 | 1352.8 | 1243.9 | 1124.1 | 1017.3 | 919.5  | 821.2  | 730.6 | 657.8 | 564.2 |
| 62.5° | 1769.5 | 1695.8 | 1605.2 | 1476.0 | 1349.4 | 1207.9 | 1086.0 | 949.6  | 848.3 | 743.7 | 657.3 |
| 63°   | 1794.1 | 1715.8 | 1624.7 | 1502.3 | 1368.5 | 1235.9 | 1112.2 | 963.5  | 859.8 | 754.7 | 665.4 |
| 65°   | 1756.4 | 1707.7 | 1623.0 | 1520.5 | 1416.7 | 1287.6 | 1152.4 | 1006.3 | 889.0 | 782.3 | 677.7 |
| 67.5° | 1569.6 | 1547.2 | 1492.1 | 1436.2 | 1343.5 | 1253.7 | 1130.0 | 1001.2 | 876.7 | 775.5 | 678.9 |
| 70°   | 1329.5 | 1298.6 | 1255.4 | 1232.9 | 1169.0 | 1092.7 | 1007.6 | 906.8  | 817.0 | 717.5 | 629.8 |
| 72.5° | 993.6  | 932.6  | 897.9  | 860.2  | 819.5  | 766.2  | 716.6  | 659.9  | 587.0 | 534.1 | 446.0 |
| 75°   | 520.1  | 452.3  | 406.2  | 352.0  | 308.3  | 263.9  | 240.1  | 224.1  | 199.5 | 172.4 | 152.5 |
| 77.5° | 210.9  | 176.2  | 142.3  | 121.1  | 91.1   | 72.8   | 62.3   | 55.1   | 50.8  | 45.3  | 41.9  |
| 80°   | 177.0  | 141.5  | 113.9  | 86.4   | 63.5   | 46.2   | 34.3   | 26.7   | 22.9  | 19.9  | 18.2  |
| 82.5° | 143.2  | 122.8  | 102.1  | 80.5   | 61.8   | 50.0   | 36.8   | 26.3   | 19.1  | 15.2  | 13.1  |
| 85°   | 45.7   | 40.2   | 31.3   | 26.3   | 21.6   | 18.2   | 15.2   | 12.3   | 11.0  | 10.2  | 9.3   |
| 87.5° | 19.1   | 14.8   | 13.6   | 12.3   | 11.9   | 11.4   | 11.4   | 10.6   | 9.7   | 8.5   | 7.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P179237

CATALOG NUMBER: UTLD-F01-LED-E-U-SL2-HSS-7060

**CANDELA DISTRIBUTION (continued):**

|       | 87°   | 88°   | 89°   | 90°   | 95°  | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 0°    | 14.0  | 14.0  | 14.0  | 14.0  | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 2.5°  | 14.0  | 14.0  | 13.6  | 14.0  | 13.1 | 12.3 | 11.9 | 11.4 | 11.0 | 11.0 | 11.0 |
| 5°    | 14.4  | 14.0  | 13.6  | 13.1  | 11.9 | 11.0 | 10.2 | 9.3  | 10.6 | 9.3  | 6.4  |
| 7.5°  | 14.8  | 14.4  | 13.6  | 13.1  | 11.9 | 10.6 | 9.7  | 5.9  | 3.8  | 3.8  | 4.2  |
| 10°   | 19.9  | 18.6  | 18.2  | 16.9  | 15.7 | 11.4 | 7.2  | 3.8  | 3.4  | 5.1  | 5.9  |
| 12.5° | 21.6  | 20.3  | 19.1  | 17.8  | 14.8 | 12.3 | 5.9  | 5.1  | 6.4  | 5.1  | 5.5  |
| 15°   | 29.2  | 25.0  | 23.7  | 22.4  | 19.9 | 14.4 | 6.8  | 6.8  | 6.4  | 5.5  | 6.4  |
| 17.5° | 32.2  | 27.5  | 26.3  | 25.4  | 19.5 | 9.3  | 7.6  | 8.0  | 6.4  | 7.2  | 5.9  |
| 20°   | 46.6  | 41.5  | 37.7  | 36.0  | 26.3 | 13.6 | 10.6 | 7.6  | 8.0  | 6.4  | 7.2  |
| 22.5° | 53.4  | 49.6  | 45.7  | 44.9  | 29.6 | 14.8 | 12.3 | 10.6 | 7.6  | 7.6  | 6.8  |
| 25°   | 66.1  | 61.0  | 54.6  | 49.1  | 31.3 | 18.6 | 14.8 | 10.6 | 8.9  | 7.2  | 6.8  |
| 27.5° | 75.0  | 66.5  | 61.0  | 57.6  | 33.9 | 19.5 | 14.4 | 11.9 | 8.9  | 6.8  | 5.9  |
| 30°   | 78.4  | 73.7  | 66.1  | 57.6  | 34.3 | 20.3 | 15.2 | 11.4 | 8.9  | 6.8  | 6.4  |
| 32.5° | 95.7  | 85.1  | 74.1  | 67.8  | 36.8 | 21.6 | 14.8 | 11.4 | 8.5  | 6.4  | 5.9  |
| 35°   | 102.5 | 92.3  | 80.5  | 71.6  | 38.5 | 20.8 | 14.4 | 10.2 | 7.6  | 5.9  | 4.7  |
| 37.5° | 113.5 | 98.7  | 87.2  | 76.2  | 39.0 | 19.5 | 13.1 | 9.7  | 6.8  | 5.1  | 4.2  |
| 40°   | 121.6 | 109.3 | 92.3  | 80.0  | 39.0 | 18.2 | 12.3 | 8.5  | 5.9  | 4.2  | 3.4  |
| 42.5° | 140.6 | 119.0 | 102.1 | 87.7  | 39.8 | 16.5 | 11.0 | 7.2  | 5.1  | 3.0  | 2.5  |
| 45°   | 160.9 | 140.2 | 117.7 | 100.4 | 40.7 | 15.2 | 9.7  | 6.4  | 3.8  | 2.1  | 1.3  |
| 47.5° | 189.7 | 162.6 | 137.2 | 115.2 | 41.1 | 14.0 | 8.9  | 5.5  | 3.0  | 1.3  | 0.8  |
| 50°   | 217.3 | 188.1 | 157.1 | 134.7 | 41.9 | 12.7 | 7.6  | 4.7  | 2.1  | 0.8  | 0.4  |
| 52.5° | 249.5 | 213.5 | 182.1 | 150.4 | 42.4 | 11.9 | 6.8  | 3.8  | 1.3  | 0.4  | 0.0  |
| 55°   | 295.2 | 257.1 | 213.0 | 179.6 | 43.2 | 10.6 | 5.5  | 3.0  | 0.8  | 0.4  | 0.0  |
| 57.5° | 386.3 | 334.6 | 280.4 | 232.1 | 47.4 | 9.3  | 4.7  | 2.1  | 0.4  | 0.4  | 0.0  |
| 60°   | 497.2 | 439.6 | 368.1 | 298.2 | 55.9 | 8.0  | 3.8  | 1.3  | 0.4  | 0.0  | 0.0  |
| 62.5° | 577.7 | 503.6 | 418.5 | 343.1 | 61.8 | 6.8  | 3.4  | 0.8  | 0.4  | 0.4  | 0.0  |
| 63°   | 590.8 | 510.8 | 422.3 | 346.0 | 62.3 | 6.8  | 3.0  | 0.8  | 0.4  | 0.0  | 0.0  |
| 65°   | 600.6 | 517.6 | 427.3 | 350.7 | 63.5 | 5.9  | 2.5  | 0.8  | 0.4  | 0.4  | 0.0  |
| 67.5° | 592.5 | 502.7 | 415.1 | 341.8 | 64.4 | 5.1  | 2.1  | 0.8  | 0.4  | 0.4  | 0.4  |
| 70°   | 537.5 | 457.4 | 380.8 | 312.1 | 59.7 | 4.2  | 1.7  | 0.8  | 0.4  | 0.4  | 0.4  |
| 72.5° | 386.3 | 344.3 | 274.0 | 225.3 | 45.7 | 3.8  | 1.7  | 1.3  | 0.4  | 0.8  | 0.8  |
| 75°   | 130.0 | 116.5 | 97.0  | 86.0  | 26.7 | 2.5  | 1.3  | 1.3  | 0.4  | 0.8  | 0.8  |
| 77.5° | 37.3  | 34.7  | 30.1  | 27.5  | 13.6 | 2.1  | 1.3  | 1.3  | 0.4  | 1.3  | 1.3  |
| 80°   | 16.1  | 14.8  | 13.1  | 11.4  | 5.9  | 1.7  | 1.3  | 1.7  | 0.4  | 1.7  | 1.3  |
| 82.5° | 11.9  | 10.6  | 9.3   | 7.6   | 3.4  | 1.7  | 1.7  | 2.1  | 0.4  | 1.7  | 1.7  |
| 85°   | 8.5   | 7.6   | 6.4   | 5.5   | 2.5  | 1.7  | 1.7  | 2.1  | 0.8  | 2.1  | 2.1  |
| 87.5° | 6.8   | 5.9   | 5.1   | 3.8   | 2.5  | 1.7  | 1.7  | 2.5  | 0.8  | 2.5  | 2.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P179237

CATALOG NUMBER: UTLD-F01-LED-E-U-SL2-HSS-7060

**CANDELA DISTRIBUTION (continued):**

|       | 165° | 175° | 180° |
|-------|------|------|------|
| 0°    | 14.0 | 14.0 | 14.0 |
| 2.5°  | 11.0 | 11.4 | 11.4 |
| 5°    | 5.5  | 5.9  | 5.9  |
| 7.5°  | 4.7  | 5.1  | 5.1  |
| 10°   | 6.4  | 6.4  | 6.4  |
| 12.5° | 5.9  | 6.4  | 6.4  |
| 15°   | 6.8  | 7.2  | 7.2  |
| 17.5° | 5.9  | 7.6  | 8.0  |
| 20°   | 6.8  | 6.8  | 6.8  |
| 22.5° | 6.8  | 7.2  | 7.2  |
| 25°   | 6.4  | 6.4  | 6.4  |
| 27.5° | 6.4  | 6.4  | 6.4  |
| 30°   | 5.5  | 6.4  | 6.4  |
| 32.5° | 5.5  | 5.5  | 5.5  |
| 35°   | 5.1  | 5.1  | 5.1  |
| 37.5° | 4.2  | 4.7  | 4.7  |
| 40°   | 3.4  | 3.4  | 3.4  |
| 42.5° | 2.1  | 2.1  | 2.1  |
| 45°   | 1.3  | 1.3  | 1.3  |
| 47.5° | 0.8  | 0.8  | 0.8  |
| 50°   | 0.4  | 0.4  | 0.4  |
| 52.5° | 0.4  | 0.4  | 0.4  |
| 55°   | 0.0  | 0.4  | 0.4  |
| 57.5° | 0.0  | 0.0  | 0.4  |
| 60°   | 0.0  | 0.0  | 0.4  |
| 62.5° | 0.0  | 0.0  | 0.4  |
| 63°   | 0.0  | 0.0  | 0.4  |
| 65°   | 0.4  | 0.0  | 0.4  |
| 67.5° | 0.4  | 0.4  | 0.4  |
| 70°   | 0.4  | 0.4  | 0.4  |
| 72.5° | 0.8  | 0.4  | 0.8  |
| 75°   | 0.8  | 0.8  | 0.8  |
| 77.5° | 1.3  | 0.8  | 0.8  |
| 80°   | 1.3  | 1.3  | 0.8  |
| 82.5° | 1.7  | 1.3  | 0.4  |
| 85°   | 1.7  | 1.7  | 0.8  |
| 87.5° | 2.1  | 2.1  | 0.8  |
| 90°   | 0.0  | 0.0  | 0.0  |

(END OF REPORT)